

Storm Data and Unusual Weather Phenomena - December 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, Northwest				
(IL-Z024) MERCER				
	12/03/10 13:00 CST	0		Winter Weather
	12/04/10 13:15 CST	0		
(IL-Z001) JO DAVIESS, (IL-Z002) STEPHENSON, (IL-Z007) CARROLL, (IL-Z009) WHITESIDE, (IL-Z015) ROCK ISLAND, (IL-Z016) HENRY, (IL-Z017) BUREAU, (IL-Z018) PUTNAM				
	12/03/10 14:30 CST	0		Winter Storm
	12/04/10 16:00 CST	0		
<p>The first winter storm of the season arrived on December 3-4, 2010. Low pressure was located in Nebraska with a warm front lifting out of the Plains. Temperatures ranged from the 20s in eastern Iowa to the 60s in the southern and central Plains. A 40 knot low level jet was pointed into the region with strong warm air advection producing bands of heavy snow. Snowfall amounts of at least 6 inches were noted in portions of eastern Iowa and northwest Illinois. As much as 9.4 inches of snow was measured at Thomson, Illinois in Carroll county, and 9.2 inches near Elizabeth, Illinois in Jo Daviess county. Nine inches of snow was reported near Princeton, Illinois and near Dubuque, Iowa. There were numerous accidents and cars in the ditches due to the snowfall.</p>				
(IL-Z001) JO DAVIESS, (IL-Z002) STEPHENSON, (IL-Z007) CARROLL, (IL-Z009) WHITESIDE, (IL-Z015) ROCK ISLAND, (IL-Z024) MERCER, (IL-Z025) HENDERSON, (IL-Z034) HANCOCK				
	12/11/10 22:40 CST	0		Winter Weather
	12/12/10 12:00 CST	0		
(IL-Z016) HENRY, (IL-Z017) BUREAU, (IL-Z018) PUTNAM, (IL-Z026) WARREN, (IL-Z035) MCDONOUGH				
	12/11/10 23:00 CST	0		Blizzard
	12/12/10 12:00 CST	0		
<p>A blizzard struck portions of eastern Iowa and western Illinois on December 11-12, 2010. A strong upper level disturbance and powerful jet stream began diving out of the northern Rockies. Low pressure then formed across the northern Plains and tracked into western Iowa. This cyclone then intensified considerably as it pushed into northern Illinois. Even though snowfall was generally only in the 1 to 4 inch range, strong winds gusting to 40 to 50 mph generated blizzard conditions in some locations. The worst blizzard conditions were observed west of Interstate 380/Highway 218 in eastern Iowa, and also in portions of western Illinois. Roads were impassable and drifts several feet high which stranded some motorists. The strong winds also toppled a tree onto a house in Marion, Iowa and flipped a metal shed off its cement foundation in Cedar Rapids, Iowa.</p>				
(IL-Z001) JO DAVIESS, (IL-Z002) STEPHENSON, (IL-Z007) CARROLL, (IL-Z009) WHITESIDE, (IL-Z015) ROCK ISLAND, (IL-Z016) HENRY, (IL-Z017) BUREAU, (IL-Z018) PUTNAM, (IL-Z024) MERCER, (IL-Z026) WARREN				
	12/15/10 17:40 CST	0		Winter Weather
	12/16/10 13:30 CST	0		
<p>A warm front from South Dakota to western Missouri moved east on December 15-16, 2010 producing several inches of snow across eastern Iowa and western Illinois. A strong baroclinic zone associated with the front produced strong warm air advection which led to several bands of heavier snow. Snowfall amounts of 3 to 5 inches were common with the highest amount of 6 inches reported at Muscatine, Iowa. The National Weather Service Forecast Office at the Davenport Municipal Airport measured 5.9 inches of snow.</p>				
(IL-Z001) JO DAVIESS, (IL-Z002) STEPHENSON, (IL-Z007) CARROLL, (IL-Z009) WHITESIDE, (IL-Z015) ROCK ISLAND, (IL-Z016) HENRY, (IL-Z017) BUREAU, (IL-Z018) PUTNAM				
	12/20/10 08:00 CST	0		Winter Weather
	12/21/10 20:00 CST	0		
<p>Low pressure in South Dakota with a warm front extending to western Missouri generated warm air advection snow across northeast Iowa and northwest Illinois on December 20-21, 2010. Snowfall amounts of 2 to 5 inches were noted at many locations, with the highest amount of 6.2 inches near Winslow, Illinois in Stephenson county.</p>				
(IL-Z009) WHITESIDE, (IL-Z015) ROCK ISLAND, (IL-Z016) HENRY				
	12/23/10 22:00 CST	0		Winter Storm
	12/25/10 02:00 CST	0		
(IL-Z001) JO DAVIESS, (IL-Z002) STEPHENSON, (IL-Z007) CARROLL, (IL-Z017) BUREAU, (IL-Z018) PUTNAM, (IL-Z024) MERCER, (IL-Z025) HENDERSON, (IL-Z026) WARREN, (IL-Z034) HANCOCK, (IL-Z035) MCDONOUGH				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/23/10 23:00 CST		0	Winter Weather
	12/25/10 04:00 CST		0	

A timely snowstorm brought picture perfect conditions to much of the Midwest for Christmas Eve into Christmas Day. A strong warm front was located from western Iowa to western Kentucky with strong warm air advection producing several bands of moderate to heavy snowfall. Accumulations were at least 5 inches in many locations, but ranged from a foot of snow in portions of northeast Iowa to about 3 to 4 inches in extreme northeast Missouri. The most measured was 12 inches at Coggon, Iowa in Linn county. Other amounts included 11 inches near Marion, Iowa in Linn county, 10.2 inches at Quasqueton, Iowa in Buchanan county, and 9.4 inches at Lowden, Iowa in Cedar county. Even in northwest Illinois amounts were impressive with 9.6 inches measured by a spotter near Coal Valley in Henry county.

IOWA, East Central and Southeast

(IA-Z040) BUCHANAN, (IA-Z052) LINN, (IA-Z067) MUSCATINE, (IA-Z068) SCOTT

12/03/10 14:00 CST	0	Winter Weather
12/04/10 14:40 CST	0	

(IA-Z041) DELAWARE, (IA-Z042) DUBUQUE, (IA-Z053) JONES, (IA-Z054) JACKSON, (IA-Z065) CEDAR, (IA-Z066) CLINTON

12/03/10 14:00 CST	0	Winter Storm
12/04/10 14:00 CST	0	

The first winter storm of the season arrived on December 3-4, 2010. Low pressure was located in Nebraska with a warm front lifting out of the Plains. Temperatures ranged from the 20s in eastern Iowa to the 60s in the southern and central Plains. A 40 knot low level jet was pointed into the region with strong warm air advection producing bands of heavy snow. Snowfall amounts of at least 6 inches were noted in portions of eastern Iowa and northwest Illinois. As much as 9.4 inches of snow was measured at Thomson, Illinois in Carroll County, and 9.2 inches near Elizabeth, Illinois in Jo Daviess County. Nine inches of snow was reported near Princeton, Illinois and near Dubuque, Iowa. There were numerous accidents and cars in the ditches due to the snowfall.

(IA-Z040) BUCHANAN, (IA-Z051) BENTON, (IA-Z063) IOWA, (IA-Z076) KEOKUK, (IA-Z087) JEFFERSON

12/11/10 18:00 CST	0	Blizzard
12/12/10 10:00 CST	0	

(IA-Z042) DUBUQUE, (IA-Z052) LINN, (IA-Z053) JONES, (IA-Z054) JACKSON, (IA-Z064) JOHNSON, (IA-Z065) CEDAR, (IA-Z066) CLINTON, (IA-Z067) MUSCATINE, (IA-Z068) SCOTT, (IA-Z077) WASHINGTON, (IA-Z078) LOUISA, (IA-Z088) HENRY, (IA-Z089) DES MOINES, (IA-Z098) VAN BUREN, (IA-Z099) LEE

12/11/10 19:05 CST	0	Winter Weather
12/12/10 12:00 CST	0	

(IA-Z041) DELAWARE

12/11/10 21:00 CST	0	Winter Storm
12/12/10 11:00 CST	0	

A blizzard struck portions of eastern Iowa and western Illinois on December 11-12, 2010. A strong upper level disturbance and powerful jet stream began diving out of the northern Rockies. Low pressure then formed across the northern Plains and tracked into western Iowa. This cyclone then intensified considerably as it pushed into northern Illinois. Even though snowfall was generally only in the 1 to 4 inch range, strong winds gusting to 40 to 50 mph generated blizzard conditions in some locations. The worst blizzard conditions were observed west of Interstate 380/Highway 218 in eastern Iowa, and also in portions of western Illinois. Roads were impassable and drifts several feet high which stranded some motorists. The strong winds also toppled a tree onto a house in Marion, Iowa and flipped a metal shed off its cement foundation in Cedar Rapids, Iowa.

(IA-Z040) BUCHANAN, (IA-Z041) DELAWARE, (IA-Z042) DUBUQUE, (IA-Z051) BENTON, (IA-Z052) LINN, (IA-Z053) JONES, (IA-Z054) JACKSON, (IA-Z064) JOHNSON, (IA-Z065) CEDAR, (IA-Z066) CLINTON, (IA-Z067) MUSCATINE, (IA-Z068) SCOTT, (IA-Z077) WASHINGTON, (IA-Z078) LOUISA

12/15/10 18:05 CST	0	Winter Weather
12/16/10 20:45 CST	0	

A warm front from South Dakota to western Missouri moved east on December 15-16, 2010 producing several inches of snow across eastern Iowa and western Illinois. A strong baroclinic zone associated with the front produced strong warm air advection which led to several bands of heavier snow. Snowfall amounts of 3 to 5 inches were common with the highest amount of 6 inches reported at Muscatine, Iowa. The National Weather Service Forecast Office at the Davenport Municipal Airport measured 5.9 inches of snow.

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	12/20/10 07:20 CST		0	Winter Weather
	12/21/10 17:55 CST		0	

Low pressure in South Dakota with a warm front extending to western Missouri generated warm air advection snow across northeast Iowa and northwest Illinois on December 20-21, 2010. Snowfall amounts of 2 to 5 inches were noted at many locations, with the highest amount of 6.2 inches near Winslow, Illinois in Stephenson county.

(IA-Z040) BUCHANAN, (IA-Z041) DELAWARE, (IA-Z042) DUBUQUE, (IA-Z051) BENTON, (IA-Z052) LINN, (IA-Z053) JONES, (IA-Z054) JACKSON, (IA-Z063) IOWA, (IA-Z064) JOHNSON, (IA-Z065) CEDAR, (IA-Z066) CLINTON, (IA-Z067) MUSCATINE, (IA-Z068) SCOTT				
	12/23/10 08:45 CST		0	Winter Storm
	12/25/10 23:00 CST		0	
(IA-Z076) KEOKUK, (IA-Z077) WASHINGTON, (IA-Z078) LOUISA, (IA-Z087) JEFFERSON, (IA-Z088) HENRY, (IA-Z089) DES MOINES, (IA-Z098) VAN BUREN, (IA-Z099) LEE				
	12/23/10 21:45 CST		0	Winter Weather
	12/25/10 02:45 CST		0	

A timely snowstorm brought picture perfect conditions to much of the Midwest for Christmas Eve into Christmas Day. A strong warm front was located from western Iowa to western Kentucky with strong warm air advection producing several bands of moderate to heavy snowfall. Accumulations were at least 5 inches in many locations, but ranged from a foot of snow in portions of northeast Iowa to about 3 to 4 inches in extreme northeast Missouri. The most measured was 12 inches at Coggon, Iowa in Linn county. Other amounts included 11 inches near Marion, Iowa in Linn county, 10.2 inches at Quasqueton, Iowa in Buchanan county, and 9.4 inches at Lowden, Iowa in Cedar county. Even in northwest Illinois amounts were impressive with 9.6 inches measured by a spotter near Coal Valley in Henry county.

MISSOURI, Northeast

(MO-Z009) SCOTLAND, (MO-Z010) CLARK				
	12/11/10 21:00 CST		0	Winter Weather
	12/12/10 10:00 CST		0	
(MO-Z009) SCOTLAND, (MO-Z010) CLARK				
	12/24/10 10:00 CST		0	Winter Weather
	12/25/10 03:00 CST		0	

A timely snowstorm brought picture perfect conditions to much of the Midwest for Christmas Eve into Christmas Day. A strong warm front was located from western Iowa to western Kentucky with strong warm air advection producing several bands of moderate to heavy snowfall. Accumulations were at least 5 inches in many locations, but ranged from a foot of snow in portions of northeast Iowa to about 3 to 4 inches in extreme northeast Missouri.